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SDN 8-5243/02-1

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In reply refer to:

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RD-103)

Attention:

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Subject: ~~Contract~~ RD-103 Proposal;
Additional Work to be Performed

Gentlemen:

[redacted] is pleased to submit in accordance with a verbal request from your technical representative a firm proposal covering the Statement of Work set forth in Exhibit "A" attached hereto. The technical approach which the Contractor will use in completing this work is described in Exhibit "C" attached hereto.

25X1

Any contract resulting from this proposal will be considered as part of basic contract RD-103 and all of the Terms and Conditions of that contract shall apply thereto.

The Estimated CPFF for this work, set forth in Exhibit "B", may be considered firm for a period of sixty days for the purpose of negotiating the definitive Task Order.

Very truly yours,

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Attachments

- Exh. "A" - Statement of Work
- Exh. "B" - Cost Breakdown
- Exh. "C" - Tech. Discussion
- Exh. "D" - Del. Schedule

DOC	4	REV DATE	8 APR 1960	BY	264540
ORIG COMP	256	PI	56	TYPE	01
ORIG CLASS	5	PAGES	7	REV CLASS	C
JUST	22	NEXT REV	2010	AUTH	HR 704

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EXHIBIT "A"

25X1

11 June 1958

Page 1 of 1

STATEMENT OF WORK

- Item 1. Familiarization study on the CS-15 system.
- Item 2. Detailed study on the CS-15 system.
- Item 3. Breadboard model of unconventional circuits of CS-15.
- Item 4. Quarterly report.
- Item 5. Final report.

NOTE: Contractor will not proceed with Items 2-5 unless it is mutually agreeable between the Government and the Contractor that it is feasible to continue with Items 2-5.

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EXHIBIT "C"

25X1

11 June 1958

Page 1 of 2

TECHNICAL DISCUSSIONSTUDY OF CS-15 SYSTEMIntroduction

The requirement exists for an automatic communication system which will accept, analyze, and store a particular form of data

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At the present time, no method of data analysis is known which will yield the desired results in an equipment of the size and weight specified. In recognition of this situation, the proposed study is separated into two parts. Phase I will cover familiarization with the data analysis problem, with the intent that the feasibility of meeting requirements may be established. In other words, Phase I should determine whether a solution is likely to be derived through more intensive effort. If so, this detailed study will be conducted under Phase II. This approach insures minimum expenditure of funds and effort until it is clear that they may be profitably applied.

Phase I. Familiarization Study

To initiate this study, Contractor proposes to devote approximately two months to the indoctrination and familiarization of project personnel with the CS-15 data handling requirements. During this period, specialists in the fields of data analysis and in the sources of these data will be consulted to acquire a more complete knowledge of present work in these fields. The communication aspect of the CS-15 system will not be considered in this phase of the program. At the conclusion of Phase I, a conference of Government engineers and Contractor's personnel will be held to consider the results of the study to that time. Phase II will be initiated only if it is mutually agreed that a sound approach to the data analysis problem has been determined.

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EXHIBIT "C"

10 June 1958

Page 2 of 2

25X1

Phase II. Detailed Study

A detailed study of the CS-15 requirements will then be conducted, to result in a system design for the CS-15. Particular emphasis will be placed on the development of the data assimilation, reduction and storage equipment. A complete system will not be built, actual construction being limited to breadboards required to demonstrate the feasibility and soundness of the approach, or for unconventional circuits. It is anticipated that the

25X1

for the AS-6 under Task Order 8. A study of the circuits necessary for adapting portions of the AS-6 system to the CS-15 application will be included. No design or construction will be performed on such circuits under the study.

General

It is anticipated that the study herein proposed will constitute a separate Task Order under Contract RD-103. This effort will be described in informal monthly letter progress reports presently being submitted. No other reports will be issued during Phase I of this program. One Quarterly Report will be issued during Phase II, and a comprehensive Final Report will also be submitted. Engineering drawings or sketches are not required.

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EXHIBIT "D"

25X1

11 June 1958
Page 1 of 1

DELIVERY SCHEDULE

- Item 1. Two (2) months after receipt of Task Order.
- Item 2. Six (6) months after agreement to proceed with Items 2-5.
- Item 3. Six (6) months after agreement to proceed with Items 2-5.
- Item 4. Four (4) months after initiation of Item 2.
- Item 5. Thirty days after completion of Item 2.

- NOTE:
- (a) The delivery schedule for Item 1 is contingent upon 32 overtime hours being expended.
 - (b) The delivery schedule for Items 2-5 is contingent upon 344 overtime hours being expended.

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